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PROPOSED CLAIMS
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No.09/702722

1. (Currently Amended) A method of controlling registration of a mobile station used in a CDMA mobile communication system, said method comprising the steps of:

detecting a result of the registration of said mobile station with a wireless base station for a coverage area in which said mobile station is present;

retrying the registration when the result is unsuccessful after inhibiting switching to a good pilot signal that is being idly received;

pausing transmitting and receiving operation of said mobile station for a predetermined time when said retried registration is unsuccessful;

resuming registration processing [under predetermined conditions] when the predetermined time [pause] ends; and

acquiring a new pilot signal when the registration processing is resumed.

2. (original)

3. (Currently Amended) A method of controlling registration as set forth in claim 1, further comprising the steps of: determining whether a search for pilot synchronization has completed through a predetermined range of phases of PN codes when the resumed registration processing fails; and pausing transmitting and receiving operation for the predetermined time when the search has completed through the predetermined range [judging that a search through a given interval of PN sequences conducted on acquisition of pilot signals has ended is made in order to detect the unsuccessful registration at first attempt].

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4-7. (Original)

8. A mobile station for use in a CDMA mobile communication system, said mobile station including a control means for registering the mobile station with a wireless base station for a coverage area in which said mobile station is present,

said control means acting to inhibit switching to a good pilot signal being idly received when the registration is judged unsuccessful,

said control means acting to retry the registration while the switching to the good pilot signal is inhibited, and acting to pause transmitting and receiving operation of said mobile station for a predetermined time when the retried registration is unsuccessful,

said control means acting to resume registration [under predetermined conditions] when the predetermined time [pause] ends,

said control means acting to perform a control operation to acquire a new pilot signal when the registration is resumed.

9-10. (Original)

11. (New) A mobile station for use in a CDMA mobile communication system comprising,

a receiver which receives a wireless signal transmitted by a sector or a base station;

a CDMA modem connected to the receiver, which performs a despreading demodulation operation of the wireless signal received by the receiver; and

a controller which controls a registration operation that includes a

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no Pilot

plurality of access sequences to the sector or the base station, and turns off the receiver when the mobile station fails in registration to the sector or the base station after the registration operations are performed a predetermined number of times.

12. (New)The mobile station according to claim 11, wherein the controller turns on the receiver after a predetermined duration, and performs a registration operation when a level of a signal received by the receiver is higher or equal to a threshold value.

13. (New)The mobile station according to claim 12, wherein the controller turns off the receiver again when the level of the signal is lower than the threshold value.

14. (New)A mobile station for use in a CDMA mobile communication system comprising,

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a receiver which receives a wireless signal transmitted by a sector or a base station;

a CDMA modem connected to the receiver, which performs a despreading demodulation operation of the wireless signal received by the receiver; and

a controller which controls a registration operation to the sector or the base station and pauses the receiver when a registration failure occurs a predetermined number of times;

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wherein a registration failure is a condition in which a plurality of access sequences for registration are performed and the mobile station fails in registration.